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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/601,234	10/30/2000	Kenichi Morigaki	MAT-799US	8757	
7.	590 11/14/2002				
Lawrence E Ashery Ratner & Prestia Suite 301 One Westlakes Berwyn			EXAMINER		
			TSANG FOSTER, SUSY N		
PO Box 980 Valley Forge, I	PA 19482-0980		ART UNIT	PAPER NUMBER	
,8-, -			1745		
			DATE MAILED: 11/14/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

133	•	Application	No.	Applicant(s)				
)))		09/601,234		MORIGAKI ET AL.				
Office Action Summary		Examiner		Art Unit				
		Susy N Tsar		1745	`			
Period fo	The MAILING DATE of this communication ap or Reply	pears on the c	over sheet with the	correspondence addres	SS			
THE - Exte after - If the - If NC - Failu - Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a reployeriod for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event ply within the statuto I will apply and will e te, cause the applica	, however, may a reply be ry minimum of thirty (30) do xpire SIX (6) MONTHS fro tition to become ABANDON	timely filed ays will be considered timely. m the mailing date of this commu IED (35 U.S.C. § 133).	inication.			
1)⊠	Responsive to communication(s) filed on 03	September 20	<u>002</u> .					
2a)□	This action is FINAL . 2b) ☐ .T	his action is n	on-final.					
3)□	Since this application is in condition for allow closed in accordance with the practice under				erits is			
	ion of Claims							
4)[2]	1) Claim(s) 1-20 is/are pending in the application.							
E\□	4a) Of the above claim(s) is/are withdrawn from consideration.							
•	5) Claim(s) is/are allowed.							
·	☐ Claim(s) is/are rejected. ☐ Claim(s) is/are objected to.							
· _	Claim(s) <u>1-20</u> are subject to restriction and/or	r election requi	rement					
•	ion Papers	election requi	rement.					
	The specification is objected to by the Examin	er.						
,	The drawing(s) filed on is/are: a)□ acce		ojected to by the Ex	aminer.				
	Applicant may not request that any objection to the	he drawing(s) b	e held in abeyance.	See 37 CFR 1.85(a).				
11)	The proposed drawing correction filed on	is: a)□ app	roved b)□ disapp	roved by the Examiner.				
If approved, corrected drawings are required in reply to this Office action.								
12)☐ The oath or declaration is objected to by the Examiner.								
Priority (under 35 U.S.C. §§ 119 and 120							
13)□	Acknowledgment is made of a claim for foreig	gn priority unde	er 35 U.S.C. § 119	(a)-(d) or (f).				
a)	☐ All b)☐ Some * c)☐ None of:							
	1. Certified copies of the priority document	nts have been	received.					
	2. Certified copies of the priority documents have been received in Application No							
* (3. Copies of the certified copies of the price application from the International Besee the attached detailed Office action for a list	ureau (PCT R	ule 17.2(a)).		ge			
14)[] A	Acknowledgment is made of a claim for domes	tic priority und	er 35 U.S.C. § 119	(e) (to a provisional app	olication).			
) \square The translation of the foreign language pr Acknowledgment is made of a claim for domes							
Attachmen	t(s)							
2) Notic	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s)	5		ary (PTO-413) Paper No(s) Il Patent Application (PTO-15				

DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

First category of species for the central portion of the composite particle:

The species for the central portion of the composite particles of the negative electrode are 1) tin, 2) silicon, and 3) zinc.

Second category of species for the first element of the solid solution or inter-metallic compound:

The species for the first element of the solid solution or inter-metallic compound are: 1) tin, 2) silicon, and zinc.

Third category of species for the additional element of the solid solution or inter-metallic compound:

The species for the additional element of the solid solution or inter-metallic compound are:

1) Mg, 2) Fe, 3) Mo, 4) Zn, 5) Cd, 6) In, 7) Pb, 8) Co, 9) Ni, 10) Al, 11) Sn, 12) Cu, 13) V, and 14)Ge.

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Applicant is required, in reply to this action, to elect a single species from each of the three categories above to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

- 2. The claims are deemed to correspond to the species listed above in the following manner:
- 1) Claim 10 corresponds to the tin species as the central portion of the composite particles of the negative electrode material.
- 2) Claims 11 and 14-20 correspond to the silicon species as the central portion of the composite particles of the negative electrode material.
- 3) Claim 12 corresponds to the zinc species as the central portion of the composite particles of the negative electrode material.
- 4) Claim 10 corresponds to the tin species as the first element in the solid solution or inter-metallic compound.
- 5) Claim 11 corresponds to the silicon species as the first element in the solid solution or inter-metallic compound.
- 6) Claim 12 corresponds to the zinc species as the first element in the solid solution or inter-metallic compound.

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7) Claim 16 corresponds to the Mg, Co, Ni, Zn, Al, and Sn species as one of the additional elements in the solid solution or inter-metallic compound.

The following claim(s) are generic: 1-9, 13-15, and 17-20.

- 3. The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: silicon, zinc, and tin have very different chemical properties. Furthermore, Mg, Fe, Mo, Zn, Cd, In, Pb, Co, Ni, Al, Sn, Cu, V, and Ge all have very different chemical properties.
- 4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 6. Any inquiry concerning this communication or earlier communications should be directed to examiner Susy Tsang-Foster, Ph.D. whose telephone number is (703) 305-0588. The examiner can normally be reached on Monday through Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached at (703) 308-2383. The phone number for the organization where this application or proceeding is assigned is (703) 305-5900.

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The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9310 for regular communications and (703) 872-9311 for After-Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

st/13 November 2002

Sury Isang-Joster

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